

Synthesis and antiadrenergic properties of β -substituted alcohols based on 6-hydroxymethylpyridoxine

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Abstract

© 2016, Springer Science+Business Media New York. An approach to the synthesis of epoxides based on 6-hydroxymethylpyridoxine acetals was developed. The epoxides obtained were involved in the ring opening reactions by nitrogen-, oxygen-, and sulfur-containing nucleophiles. Cytotoxicity and antiadrenergic properties of some synthesized compounds were studied on the models in situ and in vivo.

<http://dx.doi.org/10.1007/s11172-016-1332-0>

Keywords

6-hydroxymethylpyridoxine, anti-adrenergic activity, epoxides, pyridoxine, β -blockers, β -substituted alcohols